

FIG. 1

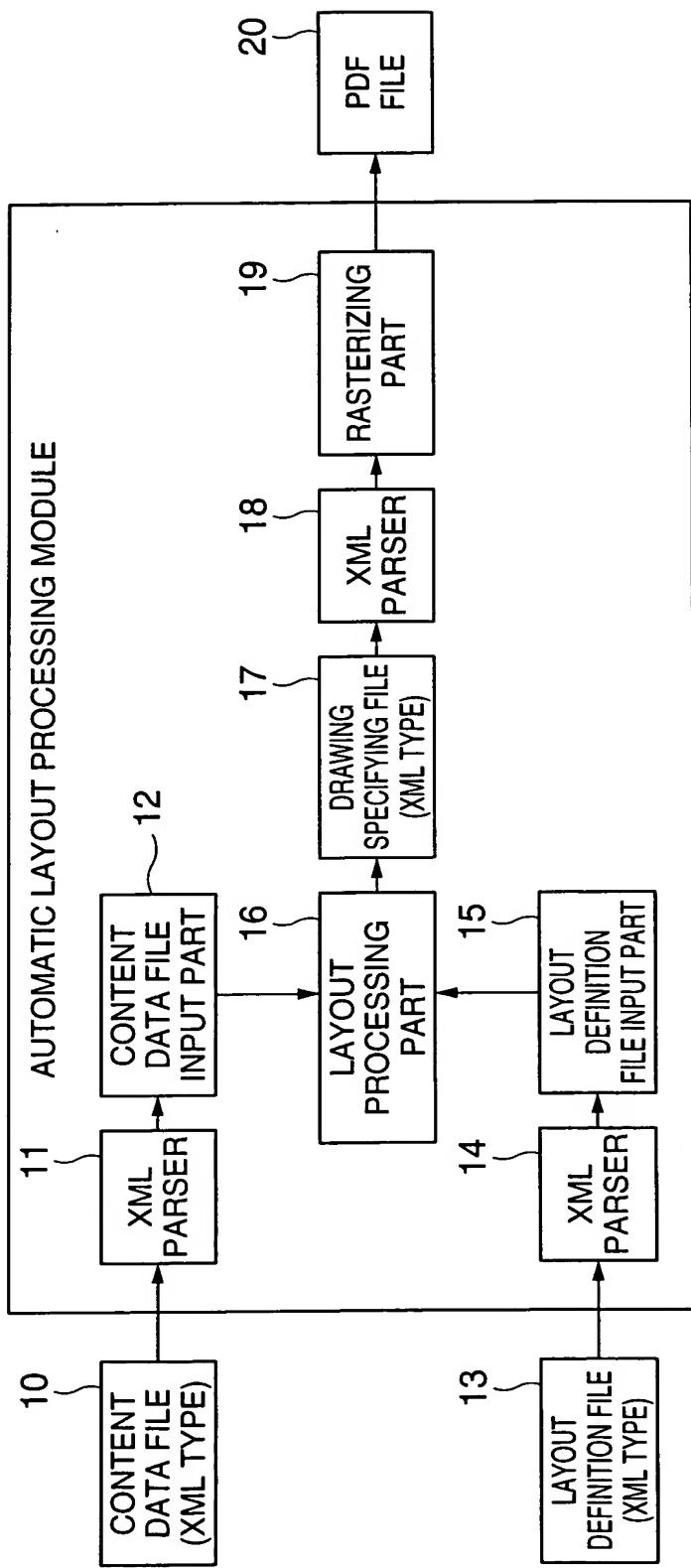


FIG. 2

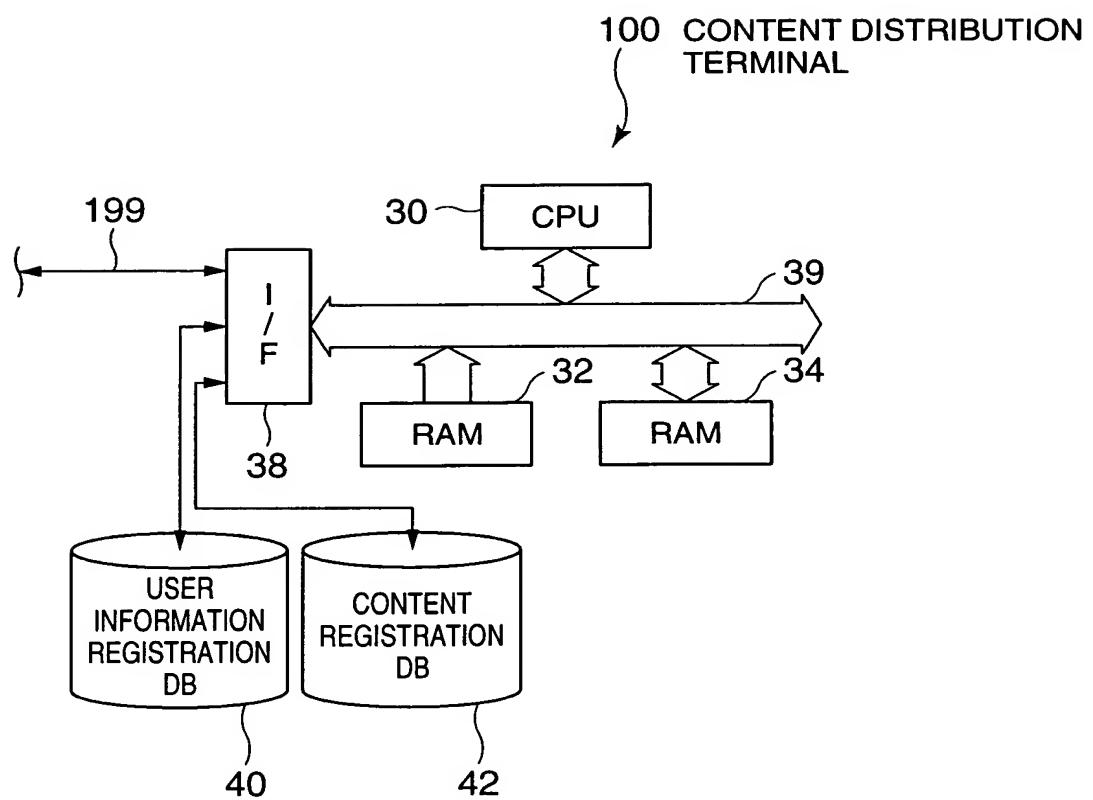
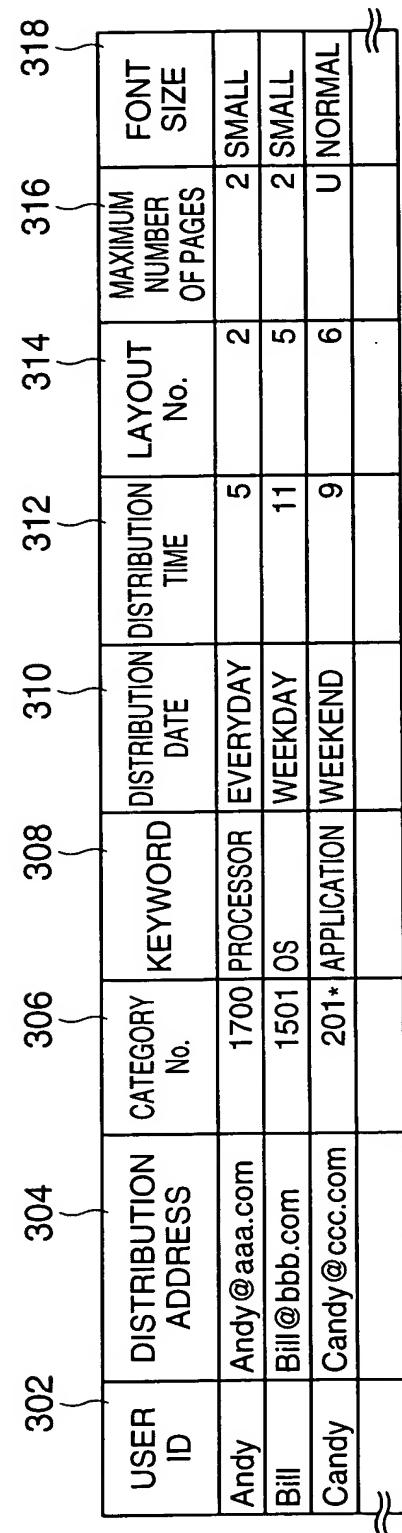


FIG. 3

300 USER PROFILE TABLE



The diagram illustrates a User Profile Table with the following structure:

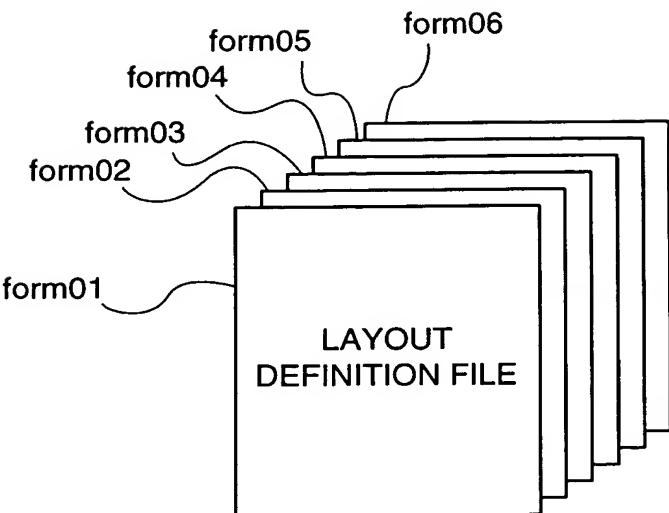
USER ID	DISTRIBUTION ADDRESS	CATEGORY No.	KEYWORD	DISTRIBUTION DATE	DISTRIBUTION TIME	LAYOUT No.	MAXIMUM NUMBER OF PAGES	FONT SIZE
302	304	306	308	310	312	314	316	318
Andy	Andy@aaa.com	1700	PROCESSOR	EVERYDAY		5	2	2
Bill	Bill@bbb.com	1501	OS	WEEKDAY		11	5	2
Candy	Candy@ccc.com	201*	APPLICATION	WEEKEND		9	6	U NORMAL

Annotations with curly braces and arrows:

- A curly brace on the right side groups the columns: USER ID, DISTRIBUTION ADDRESS, CATEGORY No., KEYWORD, DISTRIBUTION DATE, DISTRIBUTION TIME, LAYOUT No., MAXIMUM NUMBER OF PAGES, and FONT SIZE.
- A curly brace on the right side groups the columns: 302, 304, 306, 308, 310, 312, 314, 316, and 318.
- An arrow points from the label '300' to the first column of the table.
- An arrow points from the label 'USER PROFILE TABLE' to the first column of the table.

FIG. 4

(a)



(b)

Diagram (b) shows a table titled 'LAYOUT No. CORRESPONDING TABLE'. The table has two columns: 'LAYOUT No.' and 'LAYOUT DEFINITION FILENAME'. The rows are numbered 1 through 6. An arrow labeled '330' points from the 'LAYOUT No.' column to the table. Another arrow labeled '334' points from the 'LAYOUT DEFINITION FILENAME' column to the table.

LAYOUT No.	LAYOUT DEFINITION FILENAME
1	form 01
2	form 02
3	form 03
4	form 04
5	form 05
6	form 06

FIG. 5

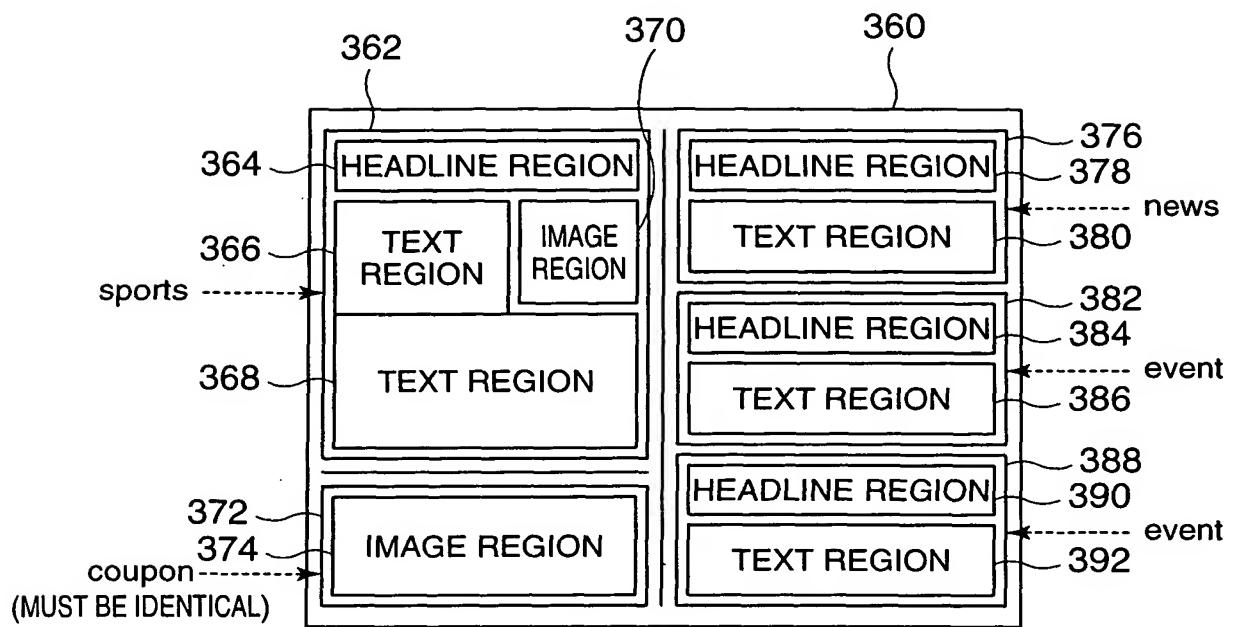


FIG. 6

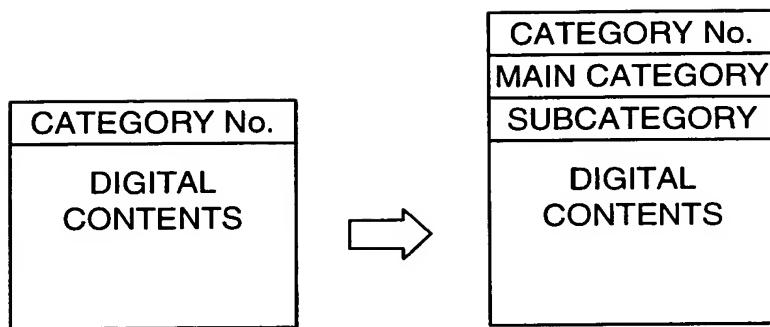
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<layouts>
<page>...</page>
<contents>
<category>
400  <keyword>sports</keyword>
402  <always-match>FALSE</always-match>
404  </category>
406  <title>(HEADLINE REGION POSITION INFORMATION)</title>
<text>(TEXT REGION POSITION INFORMATION)</text>
<contents>
<contents>...</contents>
...
</layouts>

```

FIG. 7

(a)



(b)

340 CATEGORY No. CORRESPONDING TABLE

CATEGORY No.	MAIN CATEGORY	SUBCATEGORY
1102	WORLD NEWS	AMERICA
1135	DISTRICT	TOKYO
1122	POLITICS	ELECTION
1202	WEATHER	TEMPERATURE OF THE WORLD
1310	BUSINESS	GENERAL FINANCIAL AFFAIRS
2010	SPORTS	BASEBALL
2020	SPORTS	FOOTBALL
2030	SPORTS	BASKETBALL
2040	SPORTS	HOCKEY
2050	SPORTS	SOCCKET
2070	SPORTS	GOLF
3000	SPORTS	TENNIS
1121	HOBBY	HISTORY
1500	HEALTH	PREVENTION
1401	ENTERTAINMENT	TV
1432	TRAVEL	SIGHTSEEING TOUR
1501	SCIENCE & TECHNOLOGY	COMPUTER

342 344 346

FIG. 8

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<contents>
<category>
410  <keyword>event</keyword>
412  <keyword>news</keyword>
414  <always-match>TRUE</always-match>
      </category>
416  <title>JOB INTERVIEW CONFERENCE</title>
418  <text>1:30 TO 3:30 P.M., APRIL 2
      LABORER WERFARE CENTER IN XXX CITY
      TEL: △△△ -XXX-□□□□.</text>
</contents>

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FIG. 9

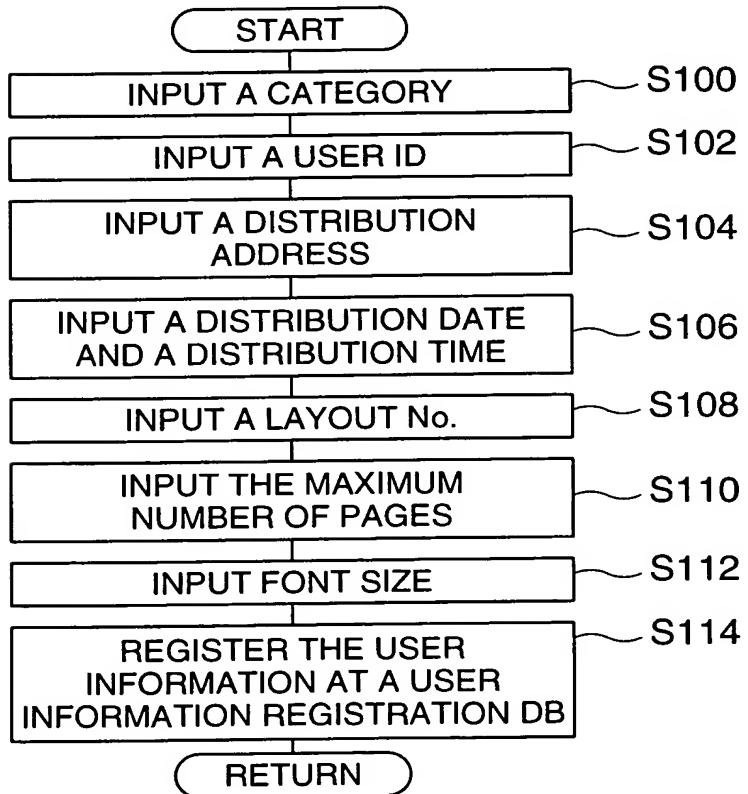


FIG. 10

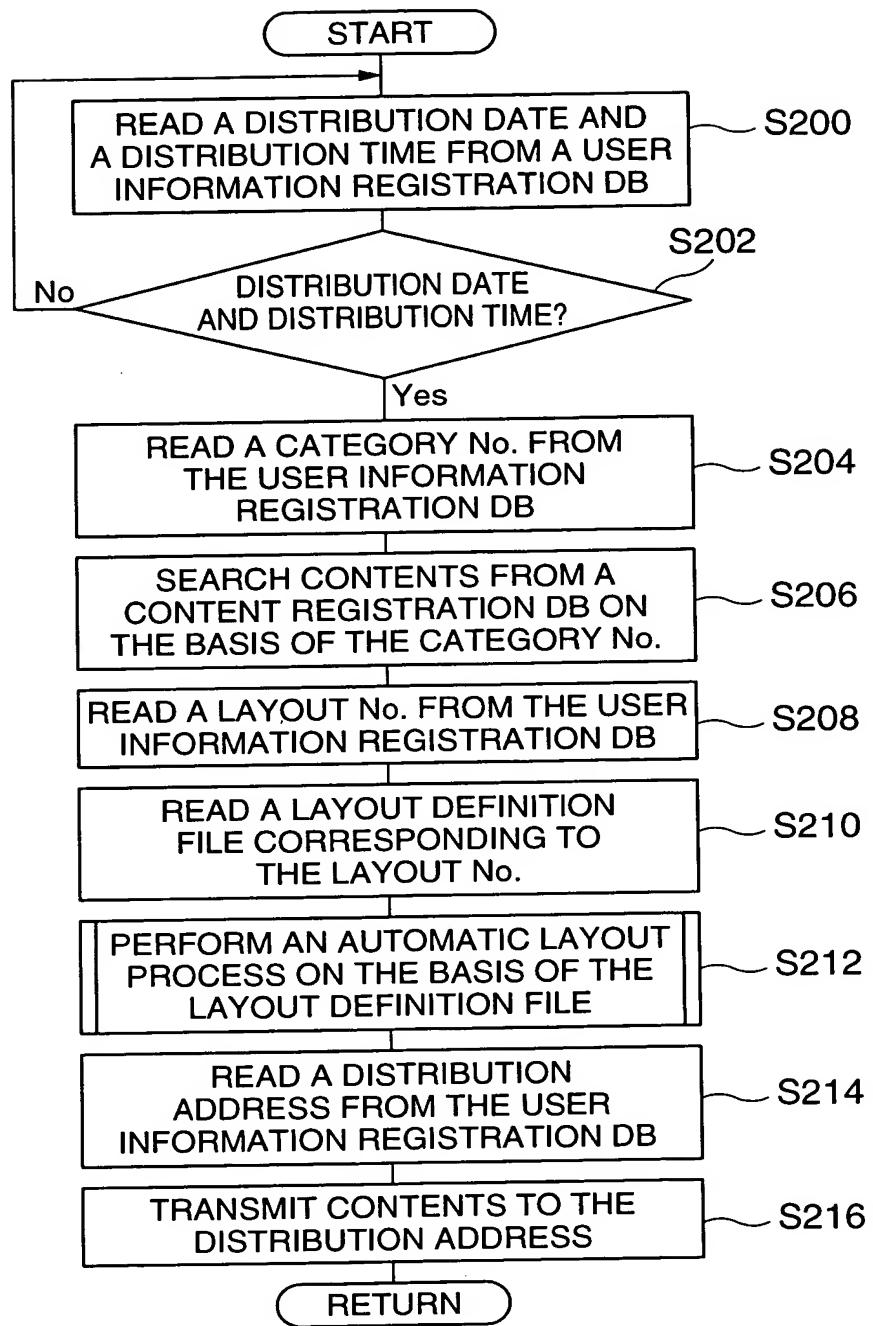


FIG. 11

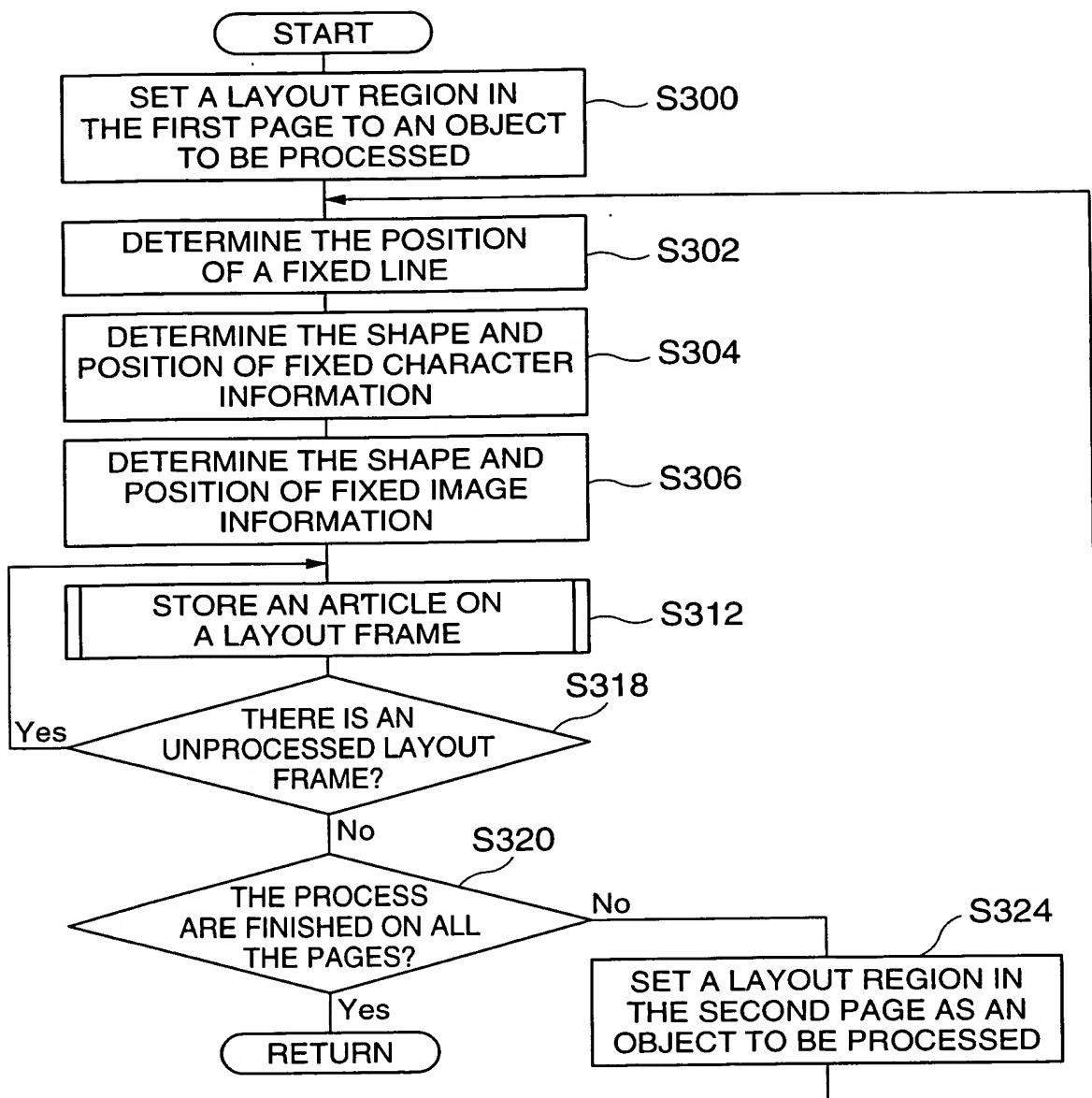


FIG. 12

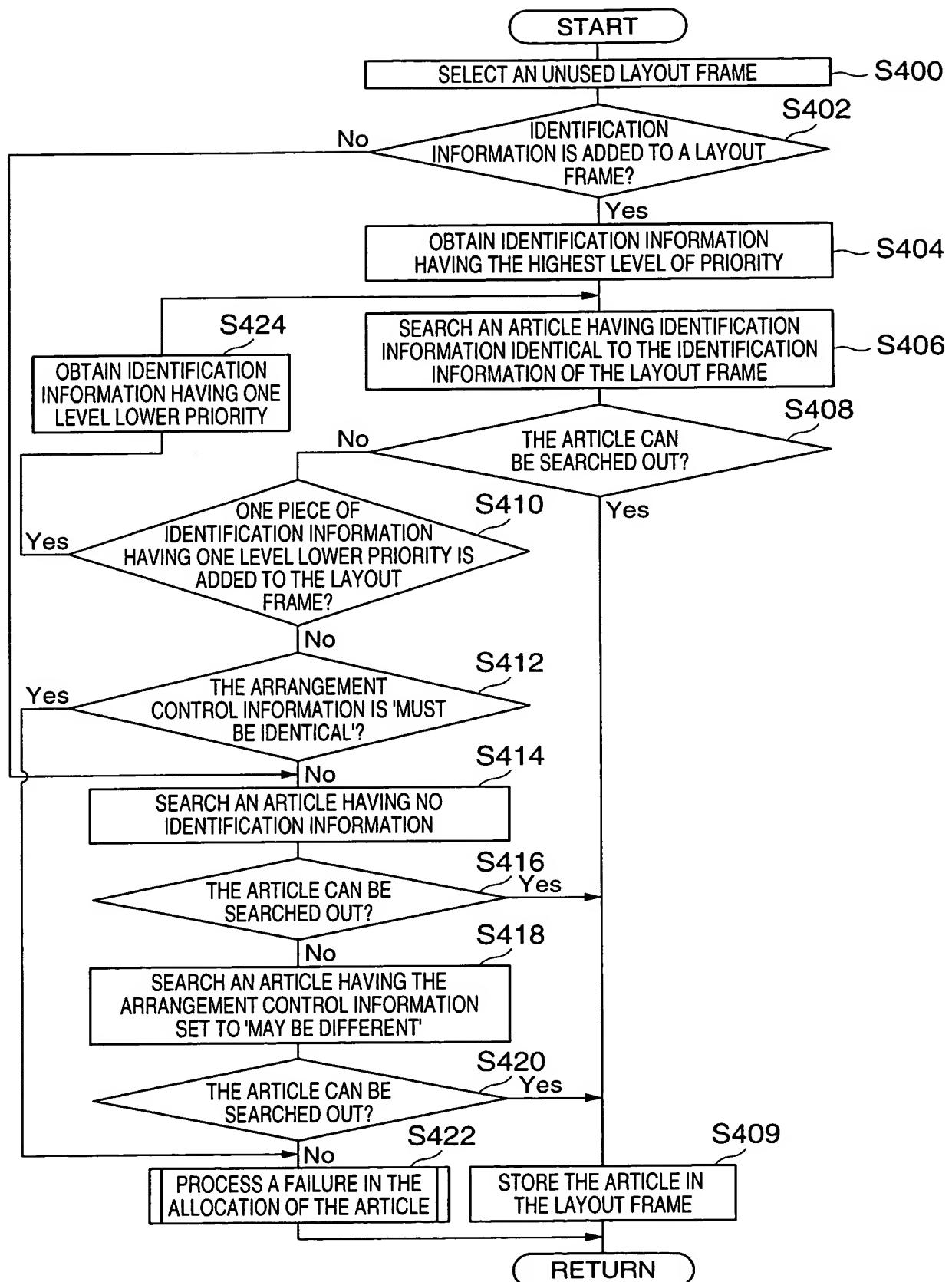


FIG. 13

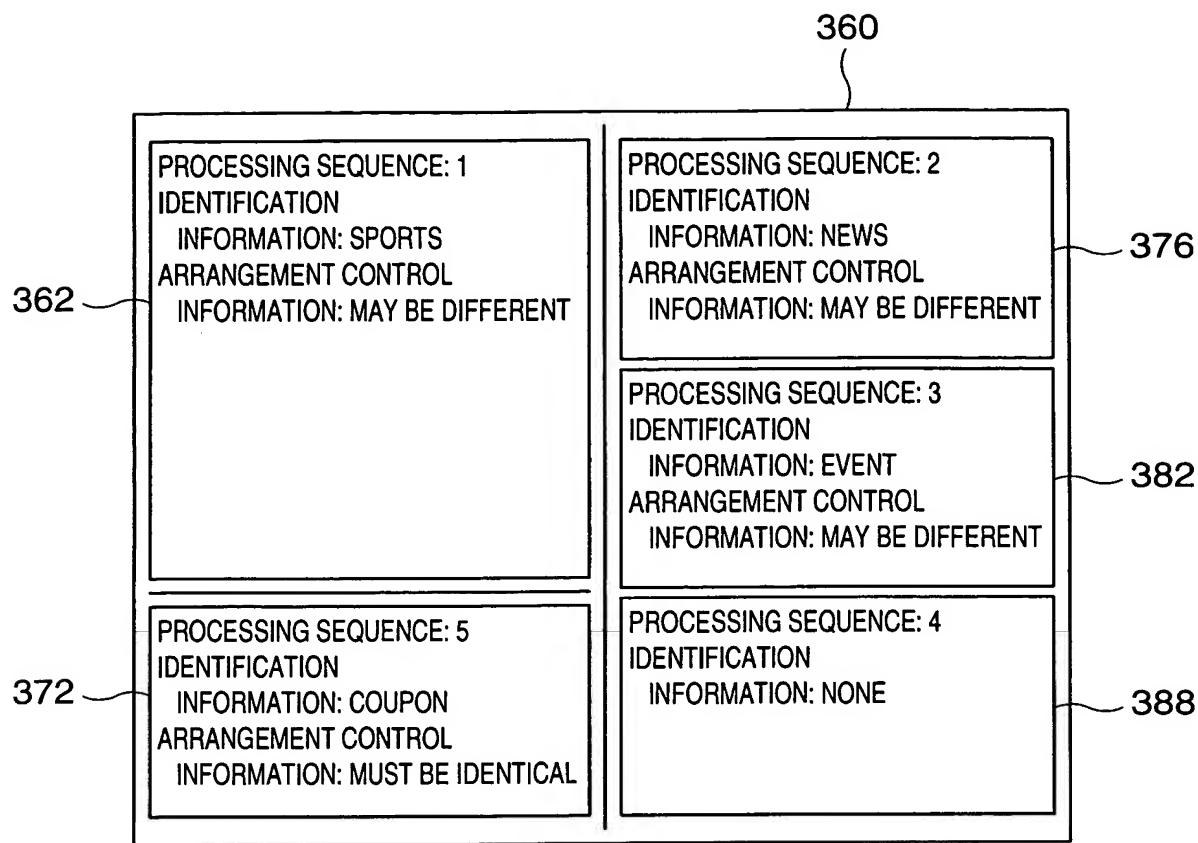


FIG. 14

ARTICLE	IDENTIFICATION INFORMATION	ARRANGEMENT CONTROL INFORMATION
ARTICLE 1	SPORTS	MUST BE IDENTICAL
ARTICLE 2	SPORTS	MUST BE IDENTICAL
ARTICLE 3	NEWS	MAY BE DIFFERENT
ARTICLE 4	NONE	-
ARTICLE 5	COLUMN	MAY BE DIFFERENT
ARTICLE 6	AD	MUST BE IDENTICAL

FIG. 15

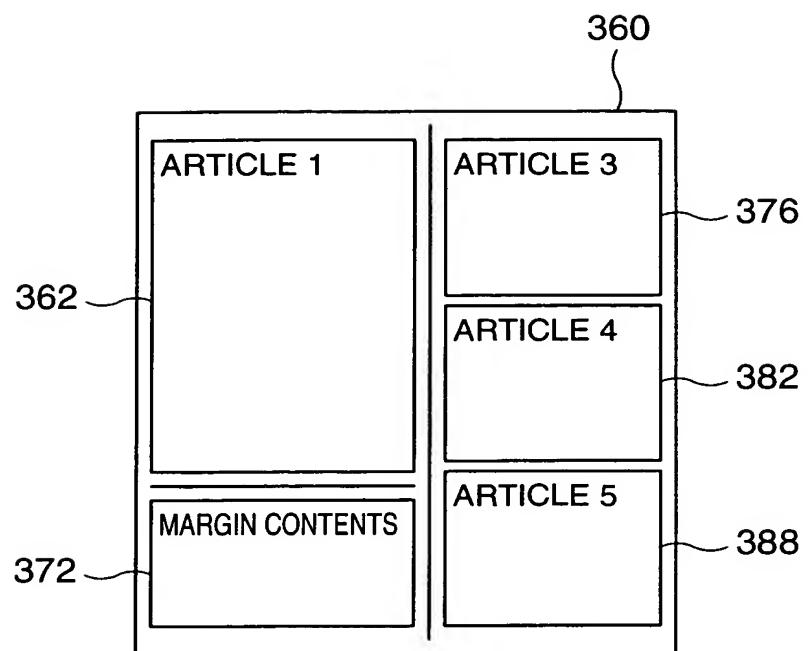


FIG. 16

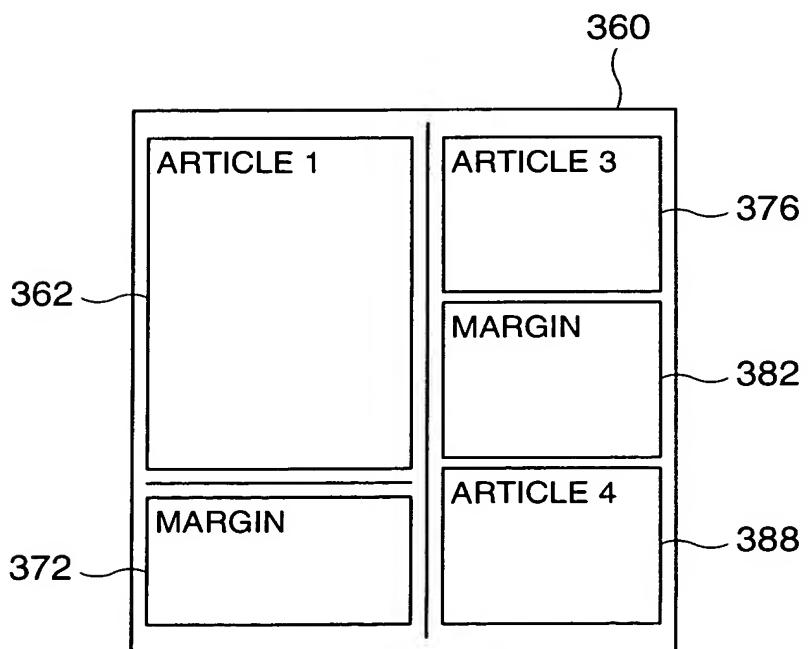


FIG. 17

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<layouts>
<page>...</page>
<contents>
<category>
430  <keyword>sports</keyword>
432  <similarity>50</similarity>
      </category>
434  <title>(HEADLINE REGION POSITION INFORMATION)</title>
436  <text>(TEXT REGION POSITION INFORMATION)</text>
      <contents>
      <contents>...</contents>
      ...
</layouts>

```

FIG. 18

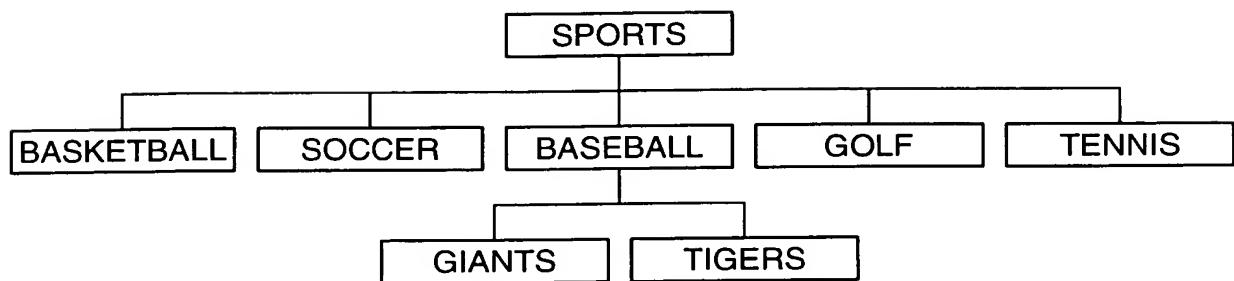


FIG. 19

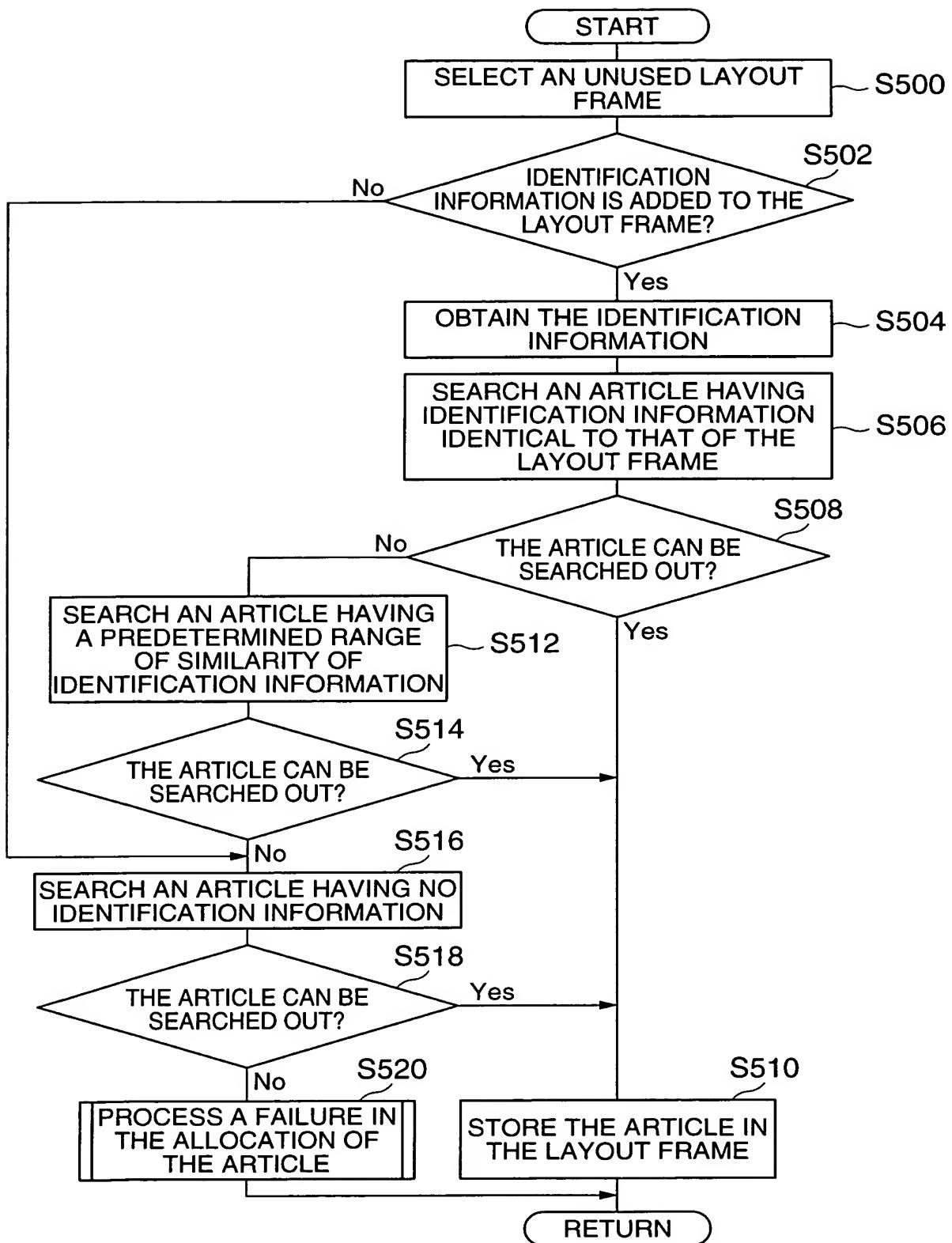


FIG. 20